

<u>NEWS 1</u>	Web Page URLs for STN Seminar Schedule - N. America	
<u>NEWS 2</u>	Apr 08	"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	Jun 03	New e-mail delivery for search results now available
<u>NEWS 4</u>	Aug 08	PHARMAMarketLetter (PHARMAML) - new on STN
<u>NEWS 5</u>	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
<u>NEWS 6</u>	Aug 26	Sequence searching in REGISTRY enhanced
<u>NEWS 7</u>	Sep 03	JAPIO has been reloaded and enhanced
<u>NEWS 8</u>	Sep 16	Experimental properties added to the REGISTRY file
<u>NEWS 9</u>	Sep 16	CA Section Thesaurus available in CAPLUS and CA
<u>NEWS 10</u>	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
<u>NEWS 11</u>	Oct 24	BEILSTEIN adds new search fields
<u>NEWS 12</u>	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
<u>NEWS 13</u>	Nov 18	DKILIT has been renamed APOLLIT
<u>NEWS 14</u>	Nov 25	More calculated properties added to REGISTRY
<u>NEWS 15</u>	Dec 04	CSA files on STN
<u>NEWS 16</u>	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
<u>NEWS 17</u>	Dec 17	TOXCENTER enhanced with additional content
<u>NEWS 18</u>	Dec 17	Adis Clinical Trials Insight now available on STN
<u>NEWS 19</u>	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
<u>NEWS 20</u>	Feb 13	CANCERLIT is no longer being updated
<u>NEWS 21</u>	Feb 24	METADEX enhancements
<u>NEWS 22</u>	Feb 24	PCTGEN now available on STN
<u>NEWS 23</u>	Feb 24	TEMA now available on STN
<u>NEWS 24</u>	Feb 26	NTIS now allows simultaneous left and right truncation
<u>NEWS 25</u>	Feb 26	PCTFULL now contains images
<u>NEWS 26</u>	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
<u>NEWS 27</u>	Mar 19	APOLLIT offering free connect time in April 2003
<u>NEWS 28</u>	Mar 20	EVENTLINE will be removed from STN
<u>NEWS 29</u>	Mar 24	PATDPAFULL now available on STN
<u>NEWS 30</u>	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
<u>NEWS 31</u>	Apr 11	Display formats in DGENE enhanced
<u>NEWS 32</u>	Apr 14	MEDLINE Reload
<u>NEWS 33</u>	Apr 17	Polymer searching in REGISTRY enhanced
<u>NEWS 34</u>	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),

**NEWS HOURS AND CONTENTS** STN Operating Hours Plus Help Desk Availability

## NEWS ROOM      GENERAL INTERNET INFORMATION

General Internet Links      Welcome Banner and News Items

WELCOME Banner and New Banner  
Direct Dial and Telecommunication Network Access to STN

NEWS PHONE Direct Dial and [CAS World Wide Web Site \(general information\)](http://www.cas.org)

Enter NEWS followed by the item number or name to see news on that specific topic.

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=> .  
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE  
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

FILE 'REGISTRY' ENTERED AT 11:08:18 ON 21 APR 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 APR 2003 HIGHEST RN 503529-60-0  
DICTIONARY FILE UPDATES: 20 APR 2003 HIGHEST RN 503529-60-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

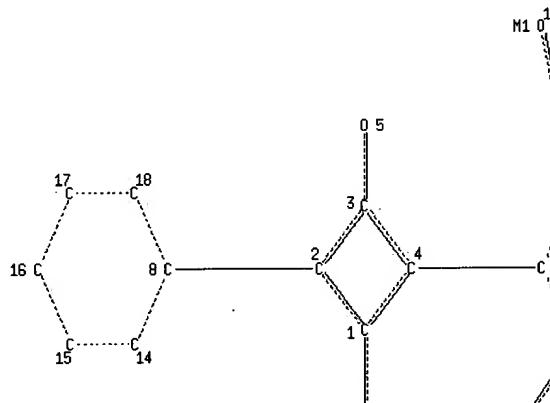
Please note that search-term pricing does apply when conducting SmartSELECT searches.

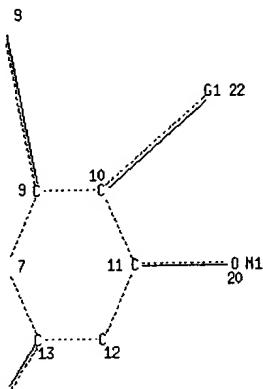
Crossover limits have been increased. See **HELP CROSSOVER** for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

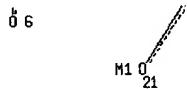
=>  
L1 STRUCTURE UPLOADED

=> dis que  
L1 STR  
C 23 0 24 C1 25Br 26F 27 I 28





Page 1-B



Page 2-A

VAR G1=23/24/25/26/27/28

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HCOUNT	IS M1	AT	20
HCOUNT	IS M1	AT	21
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NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
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DEFAULT ECLEVEL IS LIMITED

## GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 28

STEREO ATTRIBUTES: NONE

=> s 11  
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 SAMPLE SCREEN SEARCH COMPLETED - 197 TO ITERATE

100.0% PROCESSED 197 ITERATIONS  
 SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
 BATCH \*\*COMPLETE\*\*  
 PROJECTED ITERATIONS: 3098 TO 4782  
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

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 ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full  
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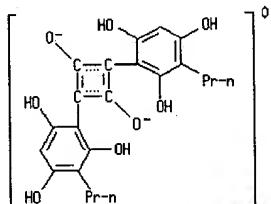
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4 ANSWERS

L3 4 SEA SSS FUL L1

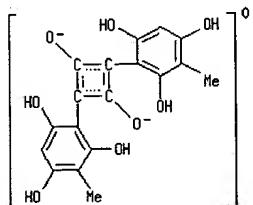
=> d 13 1-4

L3 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS  
 RN 295328-24-4 REGISTRY  
 CN Cyclobutenediylium, 1,3-dihydroxy-2,4-bis(2,4,6-trihydroxy-3-propylphenyl)-  
 , bis(inner salt) (9CI) (CA INDEX NAME)  
 MF C22 H22 O8  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

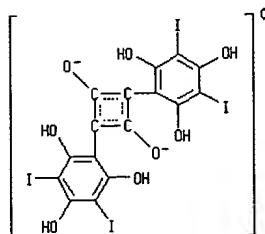
L3 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS  
 RN 295328-22-2 REGISTRY  
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 , bis(inner salt) (9CI) (CA INDEX NAME)  
 MF C18 H14 O8  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



2 REFERENCES IN FILE CA (1962 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

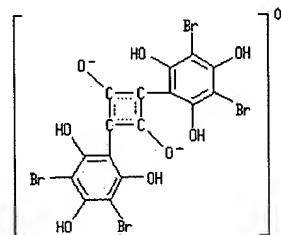
L3 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS  
 RN 189756-47-6 REGISTRY  
 CN Cyclobutenediylium, 1,3-dihydroxy-2,4-bis(2,4,6-trihydroxy-3,5-diiodophenyl)-, bis(inner salt) (9CI) (CA INDEX NAME)  
 MF C16 H6 I4 O8

SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2003 ACS  
 RN 189756-46-5 REGISTRY  
 CN Cyclobutenediylium, 1,3-bis(3,5-dibromo-2,4,6-trihydroxyphenyl)-2,4-dihydroxy-, bis(inner salt) (9CI) (CA INDEX NAME)  
 MF C16 H6 Br4 O8  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus		SINCE FILE	TOTAL
COST IN U.S. DOLLARS		ENTRY	SESSION
FULL ESTIMATED COST		156.07	160.69

FILE 'CAPLUS' ENTERED AT 11:10:29 ON 21 APR 2003  
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FILE COVERS 1907 - 21 Apr 2003 VOL 138 ISS 17  
 FILE LAST UPDATED: 20 Apr 2003 (20030420/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 6 L3

=> d 14 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text  Citing References

AN 2002:964643 CAPLUS

DN 138:47422

TI Filler for electronic display uses and electronic display units using it

IN Nakano, Tomomi; Haraguchi, Yukinari; Ozawa, Tetsuo; Saito, Yasuyo

PA Mitsubishi Chemical Corporation, Japan

SO PCT Int. Appl., 91 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	<u>WO 2002101695</u>	<u>A1</u>	<u>20021219</u>	<u>WO 2002-JP5886</u>	<u>20020612</u>
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	<u>JP 2002366048</u>	<u>A2</u>	<u>20021220</u>	<u>JP 2001-176556</u>	<u>20010612</u>
<u>PRAI</u>	<u>JP 2001-176556</u>	<u>A</u>	<u>20010612</u>		
	<u>JP 2001-183313</u>	<u>A</u>	<u>20010618</u>		
	<u>JP 2002-168930</u>	<u>A</u>	<u>20020610</u>		

OS MARPAT 138:47422

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text  Citing References

AN 2002:787090 CAPLUS

DN 138:21181

TI Aggregation Behavior of Halogenated Squaraine Dyes in Buffer, Electrolytes, Organized Media, and DNA

AU Arun, Kalliat T.; Epe, Bernd; Ramaiah, Danaboyina

CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India

SO Journal of Physical Chemistry B (2002), 106(44), 11622-11627  
CODEN: JPCBFK; ISSN: 1520-6106

PB American Chemical Society

DT Journal

LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text  Citing References

AN 2002:503296 CAPLUS

DN 137:80282

TI Squaraine-based dyes substituted with heavier halogen atoms for use as sensitizers

IN Danaboyina, Ramaiah; Kalliat, Arun Thazhathveetil; Das, Suresh; Epe, Bernd

PA Council of Scientific and Industrial Research, India

SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10065482	A1	20020704	DE 2000-10065482	20001228
	JP 2002212455	A2	20020731	JP 2000-402567	20001228
	US 2002123532	A1	20020905	US 2001-753751	20010102
PRAI	DE 2000-10065482	A	20001228		
OS	CASREACT 137:80282;	MARPAT 137:80282			

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS

 Full Text
  Citing References

AN 2001:919090 CAPLUS  
 DN 136:61575  
 TI Filter for plasma display panel  
 IN Ozawa, Tetsuo  
 PA Mitsubishi Chemical Corp., Japan  
 SO Jpn. Kokai Tokkyo Koho, 23 pp.  
 CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001350013	A2	20011221	JP 2001-89307	20010327
PRAI	JP 2000-104398	A	20000406		
OS	MARPAT 136:61575				

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS

 Full Text
  Citing References

AN 2000:645964 CAPLUS  
 DN 133:259437  
 TI Squarylium compounds, filters for plasma display panels made by using the same, and plasma display panels  
 IN Ozawa, Tetsuo; Murayama, Tetsuo  
 PA Mitsubishi Chemical Corporation, Japan  
 SO PCT Int. Appl., 36 pp.  
 CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000053552	A1	20000914	WO 2000-JP1345	20000306
	W: US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 2001188121	A2	20010710	JP 2000-58232	20000303
	JP 2001192350	A2	20010717	JP 2000-58233	20000303
	EP 1160230	A1	20011205	EP 2000-906726	20000306
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 2002014819	A1	20020207	US 2001-944184	20010904
PRAI	JP 1999-57944	A	19990305		
	JP 1999-296832	A	19991019		
	JP 1999-306563	A	19991028		
	WO 2000-JP1345	W	20000306		
OS	MARPAT 133:259437				

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text	Citing References
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AN 1997:319950 CAPLUS  
 DN 126:327519  
 TI Halogenated squaraine dyes as potential photochemotherapeutic agents. Synthesis and study of photophysical properties and quantum efficiencies of singlet oxygen generation  
 AU Ramaiah, Danaboyina; Joy, Abraham; Chandrasekhar, Nese; Eldho, Nadukkudy V.; Das, Suresh; George, Manapurathu V.  
 CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India  
 SO Photochemistry and Photobiology (1997), 65(5), 783-790  
 CODEN: PHCBAP; ISSN: 0031-8655  
 PB American Society for Photobiology  
 DT Journal  
 LA English

=&gt; s 189756-46-5

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 3 L5

=&gt; d 16 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text	Citing References
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AN 2002:787090 CAPLUS  
 DN 138:21181  
 TI Aggregation Behavior of Halogenated Squaraine Dyes in Buffer, Electrolytes, Organized Media, and DNA  
 AU Arun, Kalliat T.; Epe, Bernd; Ramaiah, Danaboyina  
 CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India  
 SO Journal of Physical Chemistry B (2002), 106(44), 11622-11627  
 CODEN: JPCBFK; ISSN: 1520-6106  
 PB American Chemical Society  
 DT Journal  
 LA English  
 RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text	Citing References
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AN 2002:503296 CAPLUS  
 DN 137:80282  
 TI Squaraine-based dyes substituted with heavier halogen atoms for use as sensitizers  
 IN Danaboyina, Ramaiah; Kalliat, Arun Thazhathveetil; Das, Suresh; Epe, Bernd  
 PA Council of Scientific and Industrial Research, India  
 SO Ger. Offen., 16 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO.		KIND	DATE	APPLICATION NO.		DATE
PI	DE 10065482	A1	20020704	DE 2000-10065482		20001228
	JP 2002212455	A2	20020731	JP 2000-402567		20001228
	US 2002123532	A1	20020905	US 2001-753751		20010102
PRAI	DE 2000-10065482	A	20001228			
OS	CASREACT 137:80282; MARPAT 137:80282					

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text  Citing References

AN 1997:319950 CAPLUS

DN 126:327519

TI Halogenated squaraine dyes as potential photochemotherapeutic agents. Synthesis and study of photophysical properties and quantum efficiencies of singlet oxygen generation

AU Ramaiah, Danaboyina; Joy, Abraham; Chandrasekhar, Nese; Eldho, Nadukkudy V.; Das, Suresh; George, Manapurathu V.

CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India

SO Photochemistry and Photobiology (1997), 65(5), 783-790

CODEN: PHCBAP; ISSN: 0031-8655

PB American Society for Photobiology

DT Journal

LA English

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